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U. S. DEPARTMENT OF AGRICULTURE

WEATHER BUREAU

Jan 7, 1909

5

ANNUAL METEOROLOGICAL SUMMARY

5967.106  
1908

AND

COMPARATIVE DATA

OF

BOSTON, MASS.

Year Ending December 31, 1908.

BOSTON, MASS.

WEATHER BUREAU OFFICE

JANUARY 6, 1909

## ANNUAL METEOROLOGICAL SUMMARY.

MONTH.	TEMPERATURE. (Degrees Fahrenheit.)				PRECIPITATION. (In. and hundredths.)				WINDS.				NUMBER OF DAYS WITH—																			
	MEAN.		EXTREMES.		Relative humidity (per cent.)	Maximum in 24 hours.		Snowfall.	Percentage of sunshine.	Average hourly velocity.	Prevailing direction.	MAXIMUM (For five min.)		(Gales (40 miles per hour or over).	Clear.	Partly cloudy.	Cloudy.	Precipitation (0.01 in. or over).	Thunderstorms.	Fog, dense.	Snow (0.1 in. or over).	MAX. TEMP.		MIN. TEMP.								
	Maximum.	Minimum.	Monthly.	Date.		Minimum.	Date.					Direction.	Date.									32 degrees or below.	90 degrees or above.	32 degrees or below.	Zero or below.							
January.....	40	22	31	57	21	1	30	63	2.37	0.95	7	4.3	85	13.9	W.	48	SW.	7	2	14	6	11	8	0	1	3	5	0	25	0		
February.....	35	19	27	69	15	—	35	66	2.96	0.84	19	9.3	60	12.9	NW.	43	SE.	1	3	11	9	9	10	0	3	4	11	0	26	4		
March.....	47	31	39	70	27	15	10	73	2.97	0.67	18-19	4.8	53	11.5	SW.	39	SW.	26	0	6	9	16	15	1	2	5	3	0	19	0		
April.....	56	38	47	85	23	24	4	73	1.70	0.39	8-9	0.8	63	13.2	NW.	45	W.	11	1	9	11	10	15	3	1	2	0	0	7	0		
May.....	67	51	59	88	27	39	3	76	3.78	1.83	7-8	0	59	10.9	E.	36	SE.	30	0	9	11	11	10	0	0	0	0	0	0	0	0	
June.....	80	60	70	90	8	49	2	63	1.08	0.59	16	0	80	9.8	SW.	31	NW.	2	0	15	11	4	7	4	1	0	0	2	0	0	0	
July.....	83	65	74	97	12	58	16	71	3.17	1.68	25	0	68	9.4	SW.	28	W.	8	0	6	14	11	7	5	2	0	0	4	0	0	0	
August.....	76	63	69	90	14	47	29	73	4.35	1.96	6-7	0	59	9.4	SW.	28	NE.	27	0	10	10	11	9	4	0	0	0	0	0	0	0	
September.....	74	58	66	88	11	47	30	69	6.68	0.60	28-29	0	65	9.3	SW.	30	S.	29	0	13	8	9	3	0	1	0	0	0	0	0	0	0
October.....	63	48	55	80	18	35	31	73	5.70	1.46	26	0	60	9.0	NW.	35	N.	30	0	15	6	10	7	7	3	0	0	0	0	0	0	0
November.....	51	36	44	65	24	25	35	70	0.73	0.47	14-15	T.	56	11.2	W.	40	W.	15	1	11	5	14	9	5	2	0	0	0	0	0	0	0
December.....	41	26	33	67	1	10	6	70	2.47	1.10	7	3.5	49	11.4	W.	47	SE.	7	1	10	9	12	7	7	0	3	4	0	24	0	0	
Total.....	59.4	43.1	51.2	97	July 12	Feb. 5	— 2	70	30.07	1.96	Aug. 6-7	22.7	61	11.0	SW.	48	SW.	Jan 7	8	129	109	128	107	36	16	17	23	6	110	4	4	

## COMPARATIVE DATA.

## MONTHLY AND ANNUAL MEAN TEMPERATURES.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1871.	26	29	42	47	58	66	71	72	<b>59</b>	54	37	28	48.9
1872.	27	28	<b>26</b>	47	59	69	<b>76</b>	73	64	52	41	23	48.8
1873.	25	26	34	45	57	67	73	70	63	54	<b>33</b>	32	48.2
1874.	30	27	34	<b>39</b>	55	66	73	68	64	53	42	31	48.6
1875.	<b>20</b>	22	31	43	58	67	72	71	61	50	35	30	<b>46.6</b>
1876.	31	27	33	44	55	69	74	70	60	48	41	<b>22</b>	47.9
1877.	25	<b>34</b>	35	44	55	67	71	72	65	52	44	36	50.1
1878.	28	31	40	48	56	65	74	70	64	56	41	30	50.2
1879.	24	25	34	42	60	65	71	69	62	<b>58</b>	39	32	48.4
1880.	35	32	33	46	<b>64</b>	69	72	71	65	52	38	27	50.3
1881.	22	28	37	44	57	62	70	71	<b>68</b>	54	44	39	49.6
1882.	26	30	36	43	<b>51</b>	67	73	72	64	55	39	30	48.8
1883.	24	29	31	45	56	<b>70</b>	72	68	60	<b>48</b>	43	29	47.9
1884.	24	31	34	44	55	67	69	70	67	53	41	34	49.0
1885.	27	<b>21</b>	28	47	53	67	72	68	60	52	44	33	47.6
1886.	26	27	33	49	57	63	71	68	63	52	43	28	48.4
1887.	25	29	32	44	60	65	75	68	60	52	42	32	48.5
1888.	<b>20</b>	28	32	43	53	67	69	70	60	48	44	35	47.3
1889.	<b>36</b>	26	38	43	60	69	69	67	63	48	45	38	50.7
1890.	32	33	35	46	57	64	71	69	63	51	42	26	49.1
1891.	31	32	34	48	56	65	69	70	67	52	41	<b>40</b>	50.4
1892.	28	28	33	48	56	70	73	70	62	53	41	30	49.4
1893.	21	27	34	44	56	65	71	70	60	55	42	30	47.9
1894.	30	27	42	47	58	69	74	68	65	54	38	32	50.3
1895.	29	25	35	46	60	67	69	71	66	50	45	36	49.8
1896.	25	29	32	47	60	66	72	71	62	50	<b>46</b>	30	49.2
1897.	28	31	37	<b>49</b>	58	62	72	70	63	54	41	34	49.9
1898.	29	33	43	44	56	66	72	<b>73</b>	66	54	42	32	50.8
1899.	29	27	34	48	58	70	73	69	62	54	42	36	50.2
1900.	30	29	34	49	55	69	74	71	65	57	45	33	50.8
1901.	28	24	36	44	54	68	73	71	65	54	37	32	49.0
1902.	27	29	43	48	58	64	<b>68</b>	68	63	54	46	28	49.6
1903.	27	31	<b>44</b>	48	58	<b>60</b>	71	<b>65</b>	64	54	40	29	49.5
1904.	22	23	35	45	61	64	71	69	62	51	38	26	47.1
1905.	25	23	37	47	58	65	73	69	62	54	45	35	49.1
1906.	36	30	32	47	58	66	70	72	65	52	42	29	50.0
1907.	27	22	38	43	52	65	72	70	64	50	43	37	48.7
1908.	31	27	39	47	59	70	74	69	66	55	44	33	<b>51.2</b>
M'ns	27.3	27.9	35.3	45.7	57.0	66.4	71.8	69.8	63.3	52.7	41.4	31.5	49.2

NOTE.—Bold-faced figures indicate highest and lowest monthly means.

## TEMPERATURE EXTREMES.

Month.	Maxi- mum.	Year.	Day.	Mini- mum.	Year.	Day.
January	70	1876	1	—13	1882	24
February	64	1880	29	—11	1896	17
March	76	1903	20	—8	1872	6
April	85	1872	26	11	1874	5
May	97	1880	26	31	1882	3
June	98	1874	29	42	1884	2
July	101	1880	10	46	1874	22
August	97	{ 1881 1900 }	{ 31 26 }	47	{ 1880 1885 1894 1908 }	{ 27 28 22 29 }
September	102	1881	7	34	1879	26
October	90	1881	1	25	1879	26
November	75	1876	2	—2	1875	30
December	67	1908	1	—12	1883	23

## MISCELLANEOUS DATA FOR 1908.

Barometric Pressure (reduced to sea-level). Mean, 30.01 inches; highest, 30.76 inches, February 10; lowest, 29.01 inches, February 1.

Temperature. Greatest daily range, 37°, May 11; least daily range, 4°, May 7, July 25, October 26, November 11.

Greatest monthly range, 62°, February; least monthly range, 39°, July.

Highest mean temperature of three consecutive days, 83°, July 5-7; lowest mean temperature of three consecutive days, 11°, February 3-5.



## COMPARATIVE DATA.

## MONTHLY AND ANNUAL PRECIPITATION.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1871.	<b>0.92</b>	2.63	4.55	3.79	4.34	5.55	3.22	3.08	1.30	5.88	6.42	3.38	45.06
1872.	2.11	2.31	4.05	1.31	3.29	4.84	4.00	<b>10.68</b>	6.04	4.85	3.66	3.09	50.23
1873.	5.76	3.21	3.76	3.83	5.16	<b>0.54</b>	3.84	6.21	2.91	5.33	8.34	5.64	54.53
1874.	4.32	3.41	1.60	7.97	3.71	3.94	3.47	6.67	2.05	1.39	2.85	2.14	43.52
1875.	3.68	3.74	5.04	4.92	3.76	7.25	3.93	3.50	3.12	4.99	5.47	0.75	50.15
1876.	1.87	4.54	7.19	3.61	2.70	1.72	5.86	1.23	3.84	1.66	<b>11.03</b>	3.71	48.96
1877.	3.33	<b>0.45</b>	9.79	4.19	3.38	3.21	2.27	4.49	0.60	<b>8.84</b>	9.62	1.32	51.49
1878.	<b>7.60</b>	4.40	5.91	6.14	1.03	2.28	4.58	7.66	3.47	6.76	8.94	6.76	<b>65.53</b>
1879.	2.79	4.35	3.90	6.58	0.97	6.24	3.09	6.71	1.84	0.91	2.97	4.22	44.57
1880.	3.72	4.11	3.25	2.85	1.63	0.75	<b>6.86</b>	2.90	2.36	3.15	2.30	3.42	37.30
1881.	7.21	4.89	<b>9.86</b>	1.66	4.16	<b>7.79</b>	2.96	1.23	2.50	2.84	3.73	3.80	52.63
1882.	3.68	4.77	3.35	2.50	6.05	1.03	3.91	1.46	<b>10.93</b>	2.29	1.20	2.65	43.82
1883.	3.59	2.74	2.33	2.83	5.11	2.07	2.73	<b>0.39</b>	1.50	6.40	2.08	3.71	35.48
1884.	6.27	5.74	4.86	4.76	3.31	4.01	4.25	5.01	<b>0.31</b>	3.17	3.03	4.46	48.98
1885.	5.33	3.00	1.15	3.30	4.26	3.70	1.44	7.64	1.70	5.71	5.78	2.09	45.10
1886.	7.08	<b>7.04</b>	3.20	1.70	3.08	1.34	1.81	3.64	2.73	3.27	3.59	3.66	42.14
1887.	4.86	3.69	3.86	2.62	1.67	1.98	3.59	3.05	0.97	2.53	2.22	2.71	33.75
1888.	2.26	2.36	3.32	2.04	5.20	2.69	1.79	6.53	6.77	3.58	4.97	4.38	45.89
1889.	4.11	1.54	1.19	3.07	4.15	2.77	5.80	3.95	3.19	3.31	4.91	1.83	39.82
1890.	2.00	2.29	5.88	2.29	4.48	2.21	1.93	2.70	5.04	5.63	0.97	3.72	39.14
1891.	4.39	3.66	3.94	1.71	1.56	3.06	3.73	3.87	2.29	5.56	2.35	3.58	39.70
1892.	4.62	2.15	3.91	<b>0.93</b>	5.15	3.05	2.56	4.87	1.90	2.31	4.45	<b>1.12</b>	37.02
1893.	2.56	6.22	2.80	3.13	5.23	2.20	1.72	6.46	1.59	2.94	1.83	5.16	41.84
1894.	3.01	3.15	<b>1.01</b>	3.78	4.12	0.80	3.09	3.03	2.14	5.11	3.10	4.28	36.62
1895.	3.79	1.11	2.72	3.65	2.71	1.73	2.98	3.24	1.53	6.19	8.07	2.45	40.17
1896.	2.25	3.94	5.41	1.56	1.68	2.71	2.90	2.15	6.40	3.15	3.70	1.70	37.55
1897.	3.16	2.12	2.79	3.17	4.00	4.46	4.22	3.95	2.38	<b>0.41</b>	6.19	3.92	40.77
1898.	3.50	4.81	1.82	6.39	4.33	1.60	4.42	6.38	1.93	7.17	5.32	2.19	49.86
1899.	4.19	3.03	5.95	1.29	0.81	2.86	2.52	2.52	5.09	2.40	2.51	1.52	<b>34.69</b>
1900.	4.20	6.83	4.60	1.90	5.07	1.85	2.69	2.46	4.62	3.41	4.17	2.25	44.05
1901.	1.56	0.66	6.58	7.43	<b>6.31</b>	1.31	5.20	3.25	2.50	3.02	2.41	<b>8.49</b>	48.72
1902.	1.65	4.19	5.29	2.87	1.07	1.77	2.88	2.20	2.08	4.36	1.09	4.48	33.93
1903.	3.43	3.90	5.95	4.43	<b>0.32</b>	7.19	2.99	3.33	2.43	3.95	1.48	2.57	41.97
1904.	4.80	2.49	2.43	<b>9.14</b>	3.38	2.06	1.23	2.19	5.57	2.13	1.70	2.52	39.64
1905.	4.09	1.59	2.25	2.14	1.47	5.23	<b>1.00</b>	3.39	5.10	0.82	1.77	3.23	32.08
1906.	2.96	2.66	5.45	2.15	4.91	2.57	5.38	1.58	2.64	3.88	2.55	3.96	40.69
1907.	2.54	1.88	1.66	3.31	3.12	2.56	1.09	1.10	7.43	2.54	6.02	4.31	37.56
1908.	2.47	2.96	2.97	1.70	3.78	1.08	3.17	4.35	0.68	3.70	<b>0.74</b>	2.47	<b>30.07</b>
M'ns	37.3	33.9	4.09	3.49	3.43	3.00	3.29	3.92	3.20	3.83	4.04	3.36	42.76

NOTE.—Bold-faced figures indicate greatest and least monthly amounts.

## EXTREMES OF PRECIPITATION AND WIND.

Month.	Precipitation.			Wind.			
	24-hour max.	Year.	Day.	Max. vel.	Direction.	Year.	Day.
January .....	3.25	1881	21-22	64	ne.	1886	9
February .....	4.45	1886	12	60	e.	1880	3
March .....	3.04	1877	26-27	72	s.	1877	9
April .....	3.18	1904	27-28	60	ne.	1891	3
May .....	3.00	1883	22	48	e.	1893	4
June .....	5.35	1875	9-10	41	e.	1903	12
July .....	2.38	1876	30-31	60	sw.	1879	16
August .....	4.99	1879	18-19	48	s.	1893	29
September .....	4.26	1905	3-4	60	n.	1888	26
October .....	4.92	1895	12-13	54	ne.	1890	19
November .....	5.43	1876	20-21	65	w.	1875	29
December .....	2.87	1888	17-18	60	e.	1900	5

## MISCELLANEOUS DATA FOR 1908.—Continued.

Precipitation. Longest period without precipitation, 16 days, September 12-27.

Longest period with precipitation, 7 days, March 13-19.

Frost. In Spring—Last killing frost occurred on April 21.

In Autumn—First killing frost occurred on November 2.

Snow. Greatest snowfall in 24 hours, 3.9 inches, February 19.

Greatest depth of snow on the ground, 3.7 inches, January 24 and February 19.

Last snow in spring occurred on April 20; first snow in autumn occurred on November 13.

Thunderstorms. First thunderstorm, March 15; last thunderstorm, August 13.

J. W. SMITH,  
District Forecaster.





























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